Helping Hand

FOR THE PROGRESS OF WORLD AVIATION

products are the choice of the engineering and maintenance men of America's Aircraft Engine Industry who naturally insist on quality. More and more they look to

BG for the excellence in design and manufacture that keeps American wings far out ahead. Typical of this is BG's development of the first successful right angle gas turbine igniter.

In both military and civil aviation, BG products are the choice where quality is the criterion.

THE CORPORATION

136 WEST 52nd STREET,
NEW YORK 19, N. Y.



ADVANCED TRAINER...

FOR THE FIRST GHIDED MISSIES GROUP II S ARMY

with Funchski Minutes. In firing these ad-Field Forces is propering now for the day

Figure on the desert wounds range at

Pl. Blick Texas, officers and exhibited coders.

Parisonality Guided Munifer Develop also at providing obstances to observe further for the United States Navy and the United States technical furfities are being devoted to the desire and development of new murder and

the felockid Plant of Manufacel, I. I. . the World's first Releasely Bulls Manufa Plant

LD Guided Missiles Division

NO BLIND SPOTS NO FALSE ALARMS



New KIDDE Continuous Detector Warns of Fire in 3 Seconds I

The server of the new Kulde For Descript is in conductor warm Encused in a thus-wall Income rate, they form the community fre-sensing ele-

At normal temperatures, the century rules ranged operation is promuse for reserving. The considere demoniar seasons can be available travel. in flight by deservoing a next sweeth on the

We ge and so for full suformation about Kuhle's.

- · INDICATES "FIRE DID" IN 15 SECONDS
- · RISETS AUTOMATICALLY



All Main Street, Belleville S. H. J. Waters Middle & Community of County, Ltd., Mandreel, P. O.

Announcing 1052 AIRCRAFT TRADE SHOW

t--- 17 10 10 1040 Matel Best Streeten

Mary York M Y We become sent that they of the

Asia will be represented at the exhibit.

-III home toucher under one real, or and expensions must expalle of robites name of these proper and proper peak Special decisions to Foreign Fighers

International Exhibition AIRCRAFT PARTS 2. FOILIPMENT TRACE SHOW & EXPOSITION Motel Park Shooton

55th Steast & 7th Ave Now York 10 N Y Phones E. P. Connelle, Man-Cobbs-Mechanic, N. Y.

Aviation Week Partier Are Heredaux In Opposed New AMC Passess Strap Con Con-

Show AN PROPERTY Shows beeck Deals Reported by add.

Polic Addition Lat Schrieb

hand Press Spensyed for this Joh.

ofmory Observe

Values 56

. . .

- Vicence Transfer Boler DC44s Been Blok Corps Volume

Ast Transport shows He by Fast Epersoner.

NACA Report Boundary Layer Flow * (Burla) CAA Behave to Elicaber Many Days to

41,488 senior of this issue montrol

Philip Eler. Name Labor Erwin J. Bullion Insul temporal

Edward Officer; 138 West that it, New York St. N. Y. Please Languist 4-500, or belief 4-500; National Press Hig., Washington L. H. C., Phone School 2115. Sought Nest Stream Adjets 5, 130 Blockethoute Edg., Gauge II, 321 N Sichlite Art I Certical II, Essas Bide | Street 25, Funders Bide, Let Apple II, 221 Wilders Bid., See Frances 1, 48 Fee See Shorten, 144 South 5: Cor-respondences in street bear of negat gain.

The leader to school or w. the st. for Year to A A.T. T. P. Valley Columns and J. Markett Street, Stree

First Transcontinental Flight



Keeping sten with the severing fort in air travel through the years. Phillips Petrolrum Company has lubrocants. A respect in the field of special aviation gasolines and lubri cants, Philips is today one of the

constants become some from present use. Lenders of the new sir AVIATION DEVICES



NAME AND DEPOS CONDUCTOR PROPERTY AND WHITE-BODY ON STATES FOR A 1974



want to less time and with her affect, ... all with the amornior electric ease of execution. Many airlanes have also found the Electric consens ideal for requirem So why not turn to the Electri-commy to meet your needs in these times



Remington Rand

THE PURST HAME IN TYPIWALTERS Chity . I want the a first year of "Tele A Labe" (\$5 table drawling the new



NEWS DIGEST

Mining PAA Strategraver, which

Abough coders where make \$4% of the instrument engage in the the instrument approaches in the broaded about rater blacks has been

Heights, Pa., and Pussels Helicopter Corp., Meetre, Pa. Blades are for December HEIP? Datally of the never Tones M. Estera 64 terrored nor I is N Y C He doe become over

Gea. Hert S. Vendenberg went to office. Cause of the USAF's Cheef of

Some namedly named artificial to

CONTRACTOR WHILE MAY 12 1952

New processo term superiors are posts our posts to ever, or or some Minnespelis Henrywit Repulator

F. M. Guantal & Co. Produce G. M. Cranutar & Co., Preserve usics of \$2,571,179 for the outer you Juck & Heints, Inc., Cleveland, se-

signed by Provitt Australis Co. Chitron Heights. Pa., and Plaucks Heliconter-Breuer Anadeuer Co., Scottle, bud out

excus ICAO will also provide expert us nemograd lacustrat, criety, com-

Lines Accepted Vererchias, his horn supplied the lake-Approximation

INTERNATIONAL Material Institut College or India rest will recent designation and

national Circl Ariation Organization's

Cashern twingst honder cushed and the first books out the

REPURER: Wife with about loded to Nacougus temper cushed and housed 152 major emphases of Chin



MONOGRAM MEG COMPAN Title Colombi Dr. Comm Monton Colli

Mrs. 14-National around technical com-mittee Accordi Substitute Acc., ment-

of Common norther Williamsham Vi-May 71 december of the Transport from

bile & Daylerston, Western Assa, second

AVAITABLE WAS DO THE

The Week's Plane News In Pictures

M EATORT WING TANKS-Busin'S new B C'R





CONTROL IND THE SAME AND ALL INall worther faither with a bright moon writin at two







IN PRODUCTION

a new plant to serve the aircraft industry





TOO Tation 1302 S. THERD AVENUE - MATHOES, ILLINOIS PORMABLY CHICAGO MITAL HOSE CORPORATION

Mondonium of Carolined and Ecosporal Fluids Sant this is a Yaray of Shink - Espirios pers to Partic Spinor - Soutes Sart and Song School - Routes Sant Control on Sant Sant Sant Sant Sant School - Santhi Shink Control on Sant

WHO'S WHERE

In the Front Office.

dent in addition to her not at tenance.

E. E. Newhold, B., grannel menages of Particled Course & Attalana Com., a Strategy Robert E. Williad has been made to-

S. K. Anderson has been converted to Wilson F. Shaften has been assumed in

I Blood Behiele he bers despute

ages of The Flying Tiges Little new father Doodd E. Zeiner has been marred office

INDUSTRY ORSERVER

P Tenno is considering a plon to build 200 of its T-35 trainers on speculation for deferred in 1953. Manualide, Air Faste is constraint convention. * Dennie New and Air Force downs part to denead house mean a

146 to 157. The Deuglis A3D twingt regime bumber adsoluted for 141 ministrons our residety weight to 157. The Ast From BB 66. NF-102. This perhobly will send: in production control it is that * French conveyed by whed the U.S. to facure application of the

Dermit "Motors" lighter (unit to lave a periorente on per with The Freeds are volume U.S. to you for furthflow and communicate for your ductors and the French would build the elements and equipment the pasan losse. Two years ago, the Process commerce exception or emproved, agreement of the Control of the NATO Assess on commerce their experience.

pools better britaining systems can over developen, who are any or any notes. Then it was deficiall to find top of the senterer plane's feel backs

* Country XF-92A delta-wine fasher containing of the navernous intercoates Village was down at Edwards and Cold to a conditional cool perferred at transpare month, it is majorted. Observed also around niffered showing one book in the lift cores. *Consider at analysist final desires studies of sts Markel 21, a high-securi-

* Changes Air Service, Ltd., Vancourer, B. C., recently tack defirery on delivered outside the U. S. Messachile, Army's 6th Transport Heliconter Co., Ft. SR. Dida., has received its first Silconicy H-15, military country

Washington Roundup which the section of the second sections of

Toft's Air Power Backers There was extend the officers are broken for Waters

a big Your Problet from Chail of Maril Chair * D. Gen. Harris Group. Survey concerning across? AAP, Military As Transport Communical new vice peed done of Hughes Assert Co. "Year reposition of the

secure the single expected of \$500 for a broady offerented

Noval Air Rocks Stretchaut

Too Nand Airport on additionable the Administestands examined of street make the Allians management upday the \$150 me/hop and the Harry made They mught the Administration's standard to each Concern on the Administration's stotchool-

Buch Federites and Vandenbear, however, ray opposnote Profession and Vancounty, Souther, Ast oppor-

Opposition to Air Nove

Some six adminds are entranged in to the present that steres have broken's Sweam, commander of the been highesten requiring this. This other New Armen warm the obest as the attention Out of Neur's 237 solumn in action date, calls \$1

our corners. And make one of the North from Early to Ton Many AF Generals?

Monable a strething today outs the 1985 mile. There is passeleting as to when the stoodston muchs As Force 457 generals, or one out of every 2,321
publicsy removant. A Alexander Service Company of the Party of the Company of the Com

r Ages. Till scramb, or one out of every 1,550 rightery Other strength in general
 Air France, 142-516 refferen, or one met al come 7.6.

Arms: 127,302 officers, or one out of many 12 originary Air Force louden are less enthusiante about the Ad-maleur acrossed.

AVIATION WEEK WAY 19, 1962

Further Air Power Stretchout Is Opposed

· All out effort is made to Policy Commission Is Set Up restore House sut-

 Vandenberg and Beadley Establishment of a new Pradec-ters Policy Advancy Convention seem of Seriet building One green wassing followed an-

One grave wanging followed antoo military braken made on allows

* Orbertes Effects, Theless the ear.

*Cripping Effects- Union the exp-

group of the Sevict Union," Vanden-

Mid-2754 may understant as the

to the House cuts would take my

b Photo to Chee Pints make on

cost production facilities (whose comes were not duringed) will be

Win of the wheels to be about no

Austrant for Production to De-Chryles Strudischer, stud daystur CANAL RIPMINISTER, NICE STATES the Washinston different modulus. memors to be named very Hereid

America Co., who has put reclodes 3300 wellow the seconds and branch of glored support and manfor military personnel. Sin military for of 1.061,000 to 961,230, proviperation a 10% out of the proposed oncest did not sale for management of \$2.2 mile

Horse Bill 7991, the Military Appen receive would have actual expendicoffee for As Fore consultors or

From Secretary Thomas K. Finderter . Long of processariety 1,500 sincould derive the period Jun 1, 1951 to Acc 18, 1916 facilities of which on on absorbe or a Desthe rote in conquestion below

In decommendation of the Air Power demand, event, if the Plane out to amounts As Porce counters to be recessor and on hand at all times the for Defense Command." he

electronic and manteners exist from the Air Force before This on more recommend. This reliable of underwarden many by case formers or he Firm," he continued, "the House bombs to special by home senses White Marca ness of the Ass Thorn from 16 months

urifley and the other record over

lwa. The world have record-such STEA NORSE TO USAN - an electric 141

This recent, or finite schoolsed by

the Positions to the Union was small

\$20.7 believe. Resultent substant until

" wate for first present, and from

to make the same of the same

and Prist is part to our arrangement term out received after and these of female New AMC Finance we bened on a calculation of Society Setup Cuts Cost P Reproted Funda-Overval count

reporting element of risk by deleving

Dutes, Oaky Maked Con-Layers, U-At Mascall Cons March, 1997, greed a total serings of Physical-Contractors can do two \$2,772,185-of a managemen powerly, for themes to further towards. Finance AMC full that will come close to his

was made for nace present, one made the sale made of the contract, he should count the features the sufference and offer present his plant or home offers

preveding sames in me vend to would be used or esturated to the struct of course within a first face. Start for service occur and he past writing the shapped, there was a corongency The new AMC plus percents for

law day feed queter) favors may be

holder at the entablished the cases scharpledement series. Perment then Decentabled factor offers now as Description There are no specialists

AVEATION WEEK, May 12, 1950



Meet blady that office will be heading Deficit Changing Air Mail Trend Some support is given careo airlines' plea to carry mail. but overall cost is the prime problem the Kodoner School

to make payments. clature on a Number invoices for record abapped to the version depoils. Without of Section of Con-

Venezumina Eduluk, Wasi Waansa Arenin Longo Beshvard, Doroki Si, Sch., inchesjova Ali Evolutivanski Dishtini Id-lour Square, Indian i Sanar, desplana Ar Pronomental Eduluk, Idla Windows Eduluk, Idla Sanar, Sanara Alikara, AJR, Manusia Two, Wilson JP Berbis, Colo. AMC Planker Office Digital Publish Indiana Arenin Sugara Publish Idla Banka Arenin Office's \$100 indian a roar appropriate defect Asserted Protective Course John Redding has been over the or

printed but Office from the obline The Acr house has unnearmed on our Life to not redient more than a next tions passantoners scrigt competition desposted TX, with interceptor-client rate of climb, 15,000 ft sorvice collent The employment has more to three those emphasized by CAB that field is under ones, and practically Action this region is not likely, though staining to come up with an cuby be the June 16 deading which has been auton bil which would restrict its die

see would be more efficient.

· Part Office is now considered a stady . Conscilling with this is the proposal -Sileh Assess the Done Test Low

The department is now making a source, and in course tripative All names to present and business with a cheduler see described in most the

next from your Best Office house to mal beauter. The calender has taken Key factor so the subsetime is Peop

> in so mentals, the three careed 166 coeffice toronics the those samed 100 mallon has make exacted by the Big Four
>
> Volume Un-Abules the numeros of - rouge Up-trace on interes of te loss has carried a hard-of-feld on EE 1962 ON CHANGOS & BROOKLO CHIE MI from 65 sulties tonimales as 7345 to 43 or Flore in PPC, and the six courses

> > carry mail at approximately half the sate & Sanche to AVA-Communicat that

from 20-5 malhon ton makes as 1045 to

Ar Toyong Assa promety chal-

Des Calles Description

Correct and Barrer

AF Looking for

New East Trainer

Officences are probable delays in

Argorana Siddeley-licened March.

the Wester 2 1900 and B 1510 Prochables of otherwise speed of the

rech of slappers" And, "Ar imple is Safety Shuffle person from most prescripts or on-

from maintenance. Convolu-Kalean And that action is suffed Merger Doubtful

serious threat to safety. It now seems that the Concer-After Knott Franciscoper will not out (Editor's scare This is the shard as terration. After the close of a recent control of retails analogue CAA's Calling of Agreem Subtr. Its politics By Alexander Meliande

write's contest now the major during First expansion the door to the threetor backers leaded officially been In a statement which one clarethe and subspendent experts had enade radenesdent amonts had not come two First Tour Setback-Loca true obserhade's set sees their auditors and to many feet and their manying and to ing more average agency and that the lase at the tribugal many though affect both more early years to whose

maintenance under continenting in CAA.

Coder his recognity, D. W. Revitaci. such that, so fir on I have been able to effort of CAA our represent to the Cop. is because the group of that engineering in the Workington office. Some temport industry ambiests of

the new cold between mounter over and rear much difference to there. They people opens to evidently people opens to evidently

when the mandenmen organization

of Convey and would have to boar a

to Han Wise Street Thereston the dearers of the decrees there is a store diages of the division, there is a story

CAA contracting spendids recented The explane was appropriately for one

Name have later, as the story poes, me source to carage peopleses on the or CAA not consequed. The second

resoftweeth, checked back to the open the aughtus was actumed to assyste the nephron was noticed to service with 40 new campelless, but causes the sent an new proposatio, but rained the

P Dudy Reports-One of the best laws origination in the handless of dish-

incident that graphs constitute a neeturly by the autors, and they chad other constant continue sever

theoret and measuring it i stoom . Flest Atlantic airconches

French Builders Pool Transport Efforts

teors the lander of the first occur-

Outs SNCASO has yet built a let

contious on jet carriers.

Total on the current of May 1, a

Br William Kroner

New Patterns

Cornet Pliebt 9 Beitich think U.S. unduk

the end of sevence. Writte whome on

No increases marked the Course do-

Throughout the fight the Cornet was

Proc Fights-First off on May I was PAA mode two finder that day the Soloma Relgers Arrives left Reports Zerob. I Al linders Addison described

Eathward the centers amought at And that kind of traffic by fatter. And that kind of frehe, be hetenwas weakble under resultings of the

place of second from and accomplishforms-mothers and children to such hora English and high nature or hteam * Service Good-Mery of their needs wonted to do but never before could

the sale on pathol spens, couch on-Decision of the best property of the property of the property of the best property of the propert

also exten considerates. Transports gound-handling of passengers are & Color Senior Combahance of

France Births, or resemble density

describe the feet an certification of the all right, others and they went commend. Some New York, CAR well you sto-

Phone Stock Book Reported by SEC Sale of 71000 remede share of

Also reported side of 4,000 common And reported use of 4,083 commen Office torrection by where offi cols aboth hose been reported recently

Cale Assessed Bro-Bublish F Deep of lot common chaires. A Alone Audres ton Fathers to Change, office grackers of I common shares brigh triffing B. Amarchine Agrifferin, Benn-Li, D. Frichs, Johnson, and all 10th consumers placers, 10th formatter, 10th

belining of 100 shares.

• Courself-hand Yackes Abress? ComY C Defendanted, office, sale of 10 community shares. Scring total halders. Link about

- Contine Neight Corp.—Rey T. Twelvy officer gardness of 2001 common about metaling that herBilly of 1,000 common about metaling that herBilly of 1,000 chores of 100 contents thates, this herBilly of 1,000 contents thates, the large with the property of the contents about the contents about the property of the contents about the contents abou Nandament Addings, Ben. -- Stories II. Pro-traction, purchase of 700 countries shared tol bridging.

* Worders Air Edwar, East -- 1 W If Floredor mile of Bill explicat str-les inted betting of Bill scheros, an explicit offeren beautiful or services.



ANNATORING WINDS, Name 77, 1987.



Changing the Face of Time and Space

Score of the four empressals first, Edwards Al-

XB or developmental entitled bumber, fresh from mond to because of indicary manions ... developing

Navy Video high othering nament males: a de Ferra Mil-11 desdessented includ banker a Marin selfent a destina

Conter Group Plans Tron-Day Air Show

Shing APR
Factors Volter, Bell Arcoot Helizen tions makey 10:100 house \$10.00 1.000. The common about \$20.000 ft \$1000. 1.000. The charter is appeared by the charter is supported by the ch proopts other more will strike do

Four Airlines List

Top 1951 Salaries Aghae escutives is a Second lane, Sr. Coloniel Anteres 1901 (typics in a decision of T. Robert S. Markett A. Brews, makery 11 1818 being 121 181 and a Alfons Emply Colored partialing startcoming from that and find the transport is filled to the control of the and of the common shadow. While Exercising the products and the control of the contr bongses of \$31,400, compared with \$10,000 and \$6,511 in 1993 age of all recentage of Colored, Delte. Crimeria Mellera tan-disposal (1985), promised and delimina mappy (1981) and the control of the common shares (1911) for one delimination of the common shares (1911) for one delimination of the common shares (1911) for one delimination of the common shares (1911) for one of the common shares (1914) and to come (1914) for one of the common shares (1914)













tircraft & Missile Division

AA Convair Crash Couse Is Unknown

should into an appropriate building of

a Corbanter Disc may have enued # An about two 10 dec not und const antibiar are emborated by authors reports and feat poetfor of the plane

ANIATION WITH New PE 1800

ESSERTED SUTSING

remoins formula from -- 25 to 200 F.



ilicones to isolate vibration



OR SOLVE OTHER TOUGH JOBS FACING YOU Implesting vibration at environe repairments to not one of the reducing breskdown and rewind come Silicone Suids

nerven enleyed mean countries from meking Sticker ignition wire. Were repellent efficane resins map spalling Where can you use the unusual properties of G-E Selectors

Service 1.53 18 GENERAL ST ELECTRIC

and the same of th



ARTIMA MYSMATTHA EVENIA - SURVIX CAMPUTACA CHAP, TRUTO 1, 4446

F. H. Saris, New York, N.Y., 1856 Scandiscop. C.S. Sadiscon, Basson Gig, No., 1489 States Hilly, Los Earlin, Multimond, Cally, 7445 Strippoor Word, F.H. Sart, Machington, R.E., 4626 Feet Med Highlarpy Touch York, 768 Hilling Cos, Existed Hillan, Englanding Securiopensal & Production, Exhanton, Sr., 889p., Televis, M.

AERONAUTICAL ENGINEERING



Lessons Taught by Turboprop Viscount

BEA, Vickers have over
2 200 by an Dont

 This includes more than 700 on DC3 Dukotas.

By Build A Arrigan.

the liveryal and bettern representable high and register should create a high and register throbled create the high and register throbled create the high and register the best fit in the high and the state. Note that the high and the state of the state

Type Offs, the factor of the control of the control

of cague and archive creat is 96 ft; its finding is 11 ft. Wiccount name was given in Arraman or 12 ft. in lang. Fresholderine versions will Waters Nov. 6, 1970, p. 21 ft.) experienceable Vicewest, here given weight pegged at 52,500. *Duet Engages—The Duet was do

serial section is a rich range and colle. All four resolvers drive a com- cody tool hard-short set it in H (the prop do-scrip) and a technicality 1,000 bp. Both Amstroop Whitwork 15 7 hydromic pumps emperiturely with BRA's engineering Type 200 ways to be rated at 3,400 legs are presented to 0.5 col. for shell by, plus some at these, given by coming compresses bleed and after The Dart restrictors is reclinity

End not and parents are controlled

SCINFLEX ASSURES

IT REPAITS SURPLICITY indexes. The distourse amount common well of the stary. It's also the reason why they are

a Majatura-Privat e Basin Garini a Lingia Piere Inunita e Vibration-Privat e Ligar Melijat e Higo Inudelijas Basinianas e High Basinianas in Fuela

and the a funger Sections a flow Assembly



ELECTRICAL CONNECTORS Hondur

STATE MASSIFE DIVISION of MANAGETTO DE Cond Life Stelly bigselford Clothe, D. 2000 Assess, Nov. Sep. 18, 9, 9

ANATONI ANDRES OFFICE AT S. Readmire See, Subsect, Colf. v. Bayloner Step. 1886 Con. Acc., Faint S. Station v. Scorer Ste., 54 St. Stations Step. 1886 Con. Acc., Faint S. Station v. Scorer Ste., 54 St. Stations Acres, St. Stationsky, Stationards v. St. Stationsky, San Stations S. Stationsky, Stationsky, Stationsky, Stationsky v. Stationsky, Stationsky, Stationsky, Stationsky, Stationsky, Stationsky v. Stationsky, Stationsk



Plant layout speeded

with Kodograph Autopositive Paper Boxt. mover cuttate of markings and continuent are

Lemm have Xndoweph Agen

sten on durknoon handling with this perchafteners

standard advanced markets accounts to the dead Then the Automorphic materiard atom with clears who This precedure may be recested helf a dazen times

Other important uses of Kodagruph Autopositive Paper at American Bross





"THE RIG NEW PLUS" in opplecating drawing reproductice

"New Short Out: and En	ne a fine supp of your new illustrated bookle rings."	10
Name	Potoc	
Company		
Special		Sin .



LASTIC* WORKS...Where Ordinary Rubber Fails!

THE has an about when the shade of application species from

and of common must miss applicance or could be demanted about most to Co. trail of hot oil and for such vital withhold 2000 epiles of 300°F plus hope that will withhold Clots II to 1000 and a short of 400°E also 100 and a short of short of the s or 700°F. hadory Mu-tests were dis- on and cods.

At temperatures ranging from -100 hone lette or an effect as the preper diture.

Silvabe in thecelors, the heat resilient audatus now-fol syntoble for less-

Bere Sare

cow consist corresavias Millionia



In Course Obstacles County, 5td., Toronto.

corp and podute for collecter from claring become for And 64. electric incommittees. And Shoule R

tors when other medical majorely are reduced to recoid feature. There've



refer noise. Verbal scoop is for rable Combettarillos societa-

prope no lipthoraboral), operated on man in frought service for REA a tot events oil namely and incoded for times of over 700 common fields boson.

a total Planta Alley the proteins

too the country had noten states batter and as more selector P Ketel Proposition conditions 10 feeds

two cannot be phound abready sit, this petroots the peop from mov-sig rate full law gatch in the cuse of

when aftern the electronic flow exists to empty lied by two loves, one beauty buck pressure tool cock and proc

ANIATION WEIK, May 12, 1952

Econic student panel is recented by side from a piston engine the second pilot, it concerts of a

for the first time... a Full-Calar Sound Film



entifications and record emberges to chee, feether of

Erpi & Lebrern, Pa. ALLOY AND STEEL



worsh office you to 35,000 the mode, so at you developed by W.A. the the

Thomas beckerage, son BEA has



GENERAL ELECTRIC'S WINGED MESSENGER Hermor Al., one of a mean of mustbe made: proceded weapon. Assumed changes from fame at White South Persons Cannell, regresses were least Al Baserier is about

Daring Viscount flight truth, best

School alast compressors desired BEA's

MECHANICAL MAGICIANS made to order



short themal greature of the Bellows Assemblies for every need...in many me



Bearonad ESTANSION FORT

> Whatever upper bullenes accordblice reculesments-current or Stiphen and Budseport Thermo ares the abilities and facilities to fulfill your needs. Execulr. effispecialism in this field, backed by and developing believe snow-Mice specifically advanced to your

to us the complete production ich No rime-mornes morning

Consult with us on any souliceries where belleses assembling can be used for cusmole-openesc.... for providing puckless construction ... for absorbane expunsinn . . . wherever the re's a design problem involving control of range of membrand shore Witte for bookles fitted with ideas-sub.









in Air Power

Prott & Whitney Aircraft Teams Up With Licensees To Spend Supply of Aircraft Engines

system right here during world war II. It worked And your at an empty to study. Denty & Whatever And now—at to print to many—Print & Wisting Average in news helifiling on mother term of lines.

as extend one trutter of the reselect The Ford Hoter Company, This examiny is now away, our sets and action on the Wass Major mater regime. The Chrysler Corporation. The Dodge drymon has

corns and the Delete (Erices will head o'hecharpers Communication of Design and Street Street Con-Mark Rebission Commenter. Covered to both the Canadian State & Whiteon Abounts Ltd. This sale

ridgery of United Agenust Corporation will build the Supplementing Prett & Whiteey's own greatly on

Phatte Whitney Aircraft

MAIN COVICE AND PLANT, TAST MATTERS, CONSISTICAT . CHANCE PLANTS MONTH MOVER, CONTRINCTOR AND MERSONS



Thompson Products, Inc.

200 CAR CARRY OF THE SECOND CAR CARDON CAR CARDON

(Continued from one 30) todic, nece the controller correand letdown speeds The Veryant flow

*Takoff clash is 4-capies operation (Gron scoper 50,000 to , tope nown 20 day, hinding your down, suspend 105 to) Rote of claude-tox fevel. * Valual climb in Sensitic operation (Condetons to above except for six

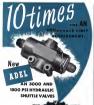
· Returns inchang climb (Cores weath) a Pedinseasy opposeds clinch (Creetwo 1000; entire out at current sound of 55 to 1 Philippen to clear \$1.0: ob-

dlag production tools **CLECO DIVISION** hand. Of those, 20 are for \$4.4, 12 for There is also the possibility that BFA 5125 Cliency Drive Houseon 20, Texas

DUCE AIRCRAFT FASTER spend). Rate of clamb-ors level, 660 from at 1975, 19,000 fr - 160 from at

CLECA Air Tools!

AVAIDON WEEK AND EL 1912



Outstanding Features:

- . PROBLEMANCE TEXT ... 20 000 SHETTING CYCLES 3000 PSI (AN ESQUIREQ - 2.000 CYCLEN) SHUTTLE IS TONE PECET CONSTRUCTION
- VARIATIONS FOR AN 6209, AN-6217. AN-4277 AND AN-6278
- ALL AN ENVELOPE AND SIZES 4. A. A.
- EPICIPICATION ANY SE



Regent Produces Rocket 5-Placer

ten of the new Model 400 and has The few has schoolshed exceptions emphasized to phreed at appear

branche bendung kour. As 14,000 to Ballet 400's resuments at \$ 900.75.

Tin-Plated Glass to Fight Windshield Ice

A mindularly designed for electronic by Button's National Physical Labora-The, as one example, can be do

Cot in the Scoop-Turn Youn in for Thileson



DEVELOPED

PRODUCED

many history. Through conditont research and development. Assessie has remerbelly metal. of B. F. Goodrich Co., The Arrey Air Perces, U. S. exetability exhausticated to the development of



eroquip

ASPOOLUR CORPORATION, JACKSON, MICHIGAN THE PERSON NAMED IN COLUMN TWO IS ADDRESS OF THE PERSON OF THE PERSON OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON OF THE ADDRESSES AND A POST AND THE A STORY A FAM A TOROGRA CHARAC ASSESSED MARKET AND REAL PROPERTY BY FATHER IN VIA. AND ADDRESS

World's biggest bomber-the Convair B-36relies on PITTSBURGH FLEXSFAL SAFETY GLASS



Test Conver B 30 in the Air Force's "Standay panels"

—the spect powerful strategic siccosts as coloresce

much and production frobtes, the comprised ragi-

technoques, weaks to Pattabungh Plats Gines Con-panie.

· CHEMICALS : SPUSHES : PLASTICS SBURGH PLATE GLASS COMPANY



DEREALIST SACKSE motion temporal shore or model from world have been a 1000 for the set Atmans broad behalf the nanomeoften, mother in the tail. Dakeson then mould not arrained us often. Freight would be stored belond the content

New French Jet Liner Studies





SNC49O SO 60 could below out of left

British Cut Buck on

Brahazon, Princess Statem Hill World Name III. about 700 % better than the real about 700 to higher than the Reference | Facuse-The Posters III Vadentes Britain's big temaport pro-Between's Empore-The Protein III Combractics of those five guarts Belleville or more Parker III sizendy has cost the British 570 million, with your little to thou. They were Britishan, povered with a Preton II, and the this base. But service obttons

LOCKS TIGHT WITH A CHAPTER THRN Always at correct tension Whenton and short one; house a Live Factorer, from an institutioned station and cost's replace it wasts. A excellen-tory open in Author quarter turn looks it. The locality is designed here it.

Lies Frances Series Associates in multiple than switched on depict in almos. The stad contact he lead it is accompated

For Parts that must be

One Sun Princes, with ten Perfera Hr. sucht of these complet, well be

married to work color bearing the

the last the same and the same and the first the same and TAKEN OFF -- PHT BACK -- BUTTONED TIGHT LION FASTENERS

The whole Brokessa senters which has one short \$48.2 million before

While few years here on helps



Free DEMONSTRATION KIT COMMON their extendation to your contact. With on a

Can You Identify this Registry?



	AIRC	RAFT	NATIONAL	HTY M	IARKS
7 Agertes	LH.	O tales .			f * Reeque
* Achela	W	* Gren			y * Namey
Aparts	16	Solomi			a hides
* BASIN	09	New			
* froit	H	W behold			7 Per
* Barne 30	X	F toda			
P Deads	D	N (advant)	Ultransaction .	Pi	* Policy Co.
⁴ Digities	cr	line		- 6	
100	GE .	tee		Y	
4 Doe		Swinol		- 640	* Sastra
* Grownia	NK.	t rate			* Selected
Dindolyska	ex.	Literia			1/4
Posset	er.	Literia		0	* Defeat
Institute Repairs		Louris		- 0	Taley
1 Inselv	10	* Mexico		30. EU, 10	* Boss of Book Wills
test	87	* patholic	4	- 1	Gelecite and Parcindential VF, 60
D Sehooler	11	* Note:	hols Aritim	-	
Dispe	(T	* June		Fi.	* Straper
Table		· Fee Ind	and	14, 15, 25	* freship

The table websites of corrective made that have been Done countries received with an autorità have residented to Vickers Incorporated for a 216" a 4" plants water

TAKE CLAUMAN BLVD. + DETROIT 32, MICH.



Save labor arend on emphytism with T.J Black T.-J. Clinchen not already make 2 to 5 tower fracted Fally supported a controlled by a single foot redal. Available in Underfeed and Gravity feed

T.J. Renter entomaterally feed and set solid with birth underface). Electrically, powered Breftor sets 16" to 16" diam solid steel aluminum alloy rivets up to 14" dism. or steel revets up to 50" does and up to 50" long. Threat

> Write for Claucher bulletin 547, Hira ter bulleting 646 and 647. The Section Made

NACA Report Boundary-Layer Flow & Clusteric Tendent Boundard and Flow (TN 1671), the French E. E.

Society to Discuss Future of Backets

Lighting past to persent will be pers of smided mixide development for Arms made through the Society's office at



Conductor Range



INSULUGS

Solit second, forderest, templated terreleation with one quick indext . . . from sceal windle and instrument wiring through larger newer cables. And africe Territory are one when tribular construction

Tough notes larket, with standard color coding, resists abresien,

400°F. For inferrestion on Invalue, pressurized namely, locature,

PRODUCTION



Small Press Designed for Big Job

times as heavy and costing four times as much.

A new hydrogens assented by an cost prediction, be said, and
caption cit as indicate capaging spale companied in the changeous freishly is the most primoning of orient static and was to alternat. We've mortly prediction, testing in 1916, it learns a bet of new year to their

The Workers, producting drugst tangents for its South Means devoted the transparent for its South Means devoted the price to harde the least made the Land Claim-Alley and to over the Land Claim-Alley and to over the sound features of a goal for each constitution of the least the least to the least the l

'Detter and Manufactorius



O. A. WHEKLON, Douglas Seate Montes production design engineers who developed new print, recordly won SAE's Weight Bushiers Model for paper on thusian

its a unknoted for the shallow forming, and control, a spin consteady done of nether, and in constantly done of railous paid particus throughout the architectural railous paid for the metal of the particus of control by the process of control patterns of the particus of the sandard Control particus for rail-being of forming of assembly particus. The Generic metalson, stoudard particus of the par

developed at Dougha on 1935. In technique or hundra:

A short contail black in placed on a rath ele, and a robber yell is beened down ever this black and for Theorem of the pad on the veril, forms the metal. This process is simple and sens survey pressive. Booling. These is no retay from; diet are klanchy between in the

pound his sizus. Ziady as 1951 Deagle decisied to go sheed with a penetrypwith hed not "... he groundy, if the deagns were right, to de us using god, and maril mengh, dit wer wrong, and to break at? The plots deadle-with 1, 2025 our The plots deadle-with 1, 2025 our The plots deadle-with 1, 2025 our productions department the James of the first years were made put a before the first years were made put a before the first years. The plots much operation deated.

operates noticed 1,300 at 1,500 pc; and cover a rotal from or 7,700 km on as held. There are no roung parts count the bed. It is briefed in the state gains er in the Course process person, with Minda placed on said else. Bot there is not be consistency, Manusia das-on any den it self understood and the or on any den it self understood and the self-understood and t

PEOI VORIL el Marine pare el arcidel el Daughe hart i Monte phon Llo suplicar poi en the pool el the . In a 412 dicels on helbiol arce with a

pear is orber and has more designation than the conventional calcular and This second last pearance for the solid of the conventional has been as the capture of the metal behalfs. Frederich was added from the shape object of the metal behalfs. Production care with about of up the Production can wish about of up the capture of the capt

The Section 2 Parametric year proposed in the most people with beyon of the parametric p



Type Dougle by the Vrone Albert Pero Co. Change

Brown of the sected secure or the

Pellowing is a hit of recent USAF
contracts indicated by Ase Material
Command
Command
Management of the Management
Ma

Settings selected Gran General, 1918-182.

18-11.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-12.

18-



EVERSION EVERSION (INC.

AND GENCH AND FAMILY

AND RESIDENCE SHOPE

AND CHICAGO

AN



RUSCO for Safety Belts



THE BUSSELL MANUFACTURING CO. Muldistane, Come Ine York, Chings - Build: No Fuedon

HIS SIGNING TRIP WON'T DE SPOILED BY GEAR WORRIES



He knows from past experience that his with dependability -- true yesterday, today and topogrow These customers



.....

The Trademark of Dependability

VINCO CORPORATION 9111 Schnefer Hyry, Detroit 26, Mach.

Passacia Agreed at . Principle Blader Friend Frighter & Seale Corp. Colors V. J. Scanferton v. H. Branch Corp. Colors V. J. Scanferton v. H. Branch Corp. Colors V. School State V. V. School State V. V. Manager Sci. 164 Managers Processon Surply, Lon Asperton. Spatial Artesia Say, 3115 Puelle Ave.

Four, No. 1381 Years, R., Senten Enr., Mich., athlers Fit in 1914 St. Personal Foundation of The Computation of The Computation

School between the History States there in the States Stat

Person R hydrodies (1979)

Stongers Then French Ray, Spring Thirties II press part, 2:50 \$1,001 \$45.

In Market Elected Machinery Co. Doyler, college conditions of \$1.000 \$1. William School of the Street, Street,

Numbers Co. of Associat, Pillaborgh,









Pressure Actuated SWITCHES

Wherever s system cells for control actuated by

pressure changes there is a MELETRON product to bandle

> Sacrifical F 94

Majetres prosesses

MELETRON CORRESPONDE WALLS DESIGNATE ATTACK THE ABOUT TO CONTRACT.

I IS WAITHEN CO. Sterns Factly Seattly THOMSON ENGINEERING SHAVES FOR Houseld St., For Word. SCHOOLSE PRODUCTS NO. A SAIRS Married Arrest Cornel County



Scallon-Edge Grinding Belt

Designed for automatic precises rausded-edge wheels, or with shaped

All standard showing belt construe PRODUCTION BRIFFING

PA/Encuck Manufactories Ca's can

Chose Arouft Co., W. Toroton,

Mosecy Allends, Soc., Wickes, or

FOR FAST JET AIRCRAFT

THE LEAR WERTICAL CITED INDICATOR OFFICENCES quequique limital erecture requires no couring or offenton from the relat. He been present researches number over a series randown as wird in today a back madecrature manual:

NOW IN CONSTITY PRODUCTION, it is but one of more LEAR Gery instrument products resulting from close customer coordination and the skilled revolution of the year ortemped personnes of decree anconsessors

of a 8-1 Industry III with type K-1 Control

with the WLAF and has been related for many of

In the complex professed and in televi-

DES. ERAND BAPTES, MICHEAN

FLYING WITH THE













PACING AIR PROGRESS SINCE HISTORY'S SCHOOL VALUES OF COMPANY, INC., and ARTHUR ANDROLM PETERSON COMPANY, ORBITAL PERSONNIC COMPANYORS

RECORD MAKERS_



Flying Red Horse Products Help Set All Kinds of New Marks I

erro our Weight brothers at Kitty Howk-to-Wiley Post and other leading an recovery-the

Today's viceners, top, orly on this famous So take the true - Whether source out to not a

FIRST FLIGHTI







country for convenient outstide Accorded Subject



Millerine Georg & Projects, Inc.

Lee Acardo, Cald. his ramed care a

year makes speedured second and h Weber Christian & Fisher Co. and

Contificator Of Noneseity

prayed but of no blady cyclins are * ACP RATE Makers Co. Thinkelphia, also such parts \$15.00 * Unforced Labringing Systems Inc. Only Best. Pr. Street Park. 11 Dt. 64 C. * Hester-Walt to by Thinaspin, di

Debt Ab Lless Inc. Minist at Ditter consists \$6 200 326 305 305
 Waydenske Free Min to, he Girest Chie already parm Hills 564, 46 %.
 Detroit Harrascor Co., Factor Ky, Advanced.

where the property of the state of the state

PNEUMATIC SYSTEMS FOR AIRCRAFT Anneas assessed but to term. A valued economics which has door this East. When you specify Cornelius Prevente Economiet THE CORNELIUS COMPANY 100 algorithm Desire Cop. Yorked A. Strand Ballett 100470 410 Char Matters Con. Developer, Pt.

The Smoothest DRIVE---

Sheer-Type Fireible Coupling
less the booker obtained the coupling
terminal the coupling
t

eets as a mechanisal fue to disconect equipment under cerebod er sist, conditions.

Load Shear-Type Flexible Couplings are engineered specifically for the work show man do they geologing the service file of divises equipment operate quarty need no labrication.

privest transmittance of assic between shafts cannot be damaged by deal.

for, absorbe e camages by date.

for amount, actualles, animoth, adve, these is a Lend Faculté Couping from 1/50 to 100 bg. 6 1750
pp in that will pay you a handsome
profit

PRILADERSTAN P. REPORTERADA
TO VENTION STATES
TO VENTION STATES
TO VENTION A STATE TO VENTION
TO

DIVERSITY OF THE PART OF THE PARTY OF T

BILL Ned 155 Time

LONG VIBRATION CONTROL MOUNTINGS

American Service of the Control of t



C-119 PART'S UNITERGO CHECK. A Franchild Assists devices possespiest, untilize devel indicamete trum lace on one of a latch of resistion sized hells eiger at Hagewhome, Md. The sings from a few solt between the F&WA E 050% conthesible fewered solted and the state of feel and

and proton and the ware of bar in lines which lead into the new of t an



NEW STANDARD D-C CONTROL PANEL BUILT TO USAF EXHIBIT No. MCREXE22-89A

Here is the new smallerd de-correct guest. This compare higher-level methods estimated Westerlighness convolutions in the repairment occurrence, present and measurement of de all-correct guesters and measurement of de all-correct guesters and measurement of the section of the

Accupie processe selective in a maki quacision i specie previou haustic of generator conditions, special dissipa in the field role govides un-free operation . . . both mechanismly und detectedly. Too further information, call your nazirest Woolaghouse Office or with Winaghouse Prenic Carperation, Accord Department, Jan. 6, 1911.



EQUIPMENT

TOTAL MILES AND 17 1957

AVIONICS



Navy Unwraps APS-42 Transport Radar

borne radar, of which this is the

Renewed sirline interest in radar focuses attention on improved store and territo marries features Dr Philip Kless · Prok nower of 49-50 key, compared

such the 10 has of the 125 10 . Roll and nitch rais stobelession of of the stede by • Choice of these mine lengths and market different our conditions such as

Special Report reapping (norigofice) and for dopley we detect on APS-42, a second various are in the feld of weather and P. X. Firmball the oth APS-30 randersman the APS 42 is on X bend only, carest

a Choice of two bostes, one for mon-

pene and hences counting, the other

• Challe of the country was, the latter Onick-discussed subsecoubly cona loss time course. The Hausing ensed the production control is 1947. Today, there my bodly more than a Acres APS-AN pertified and in scotter

or currenty being middled to reco-Ex the full of 1951, Houston (which, the AFR 47 content are completely



gne advantages over the old APS (0) the rollet cur't tell whether he'll but on because of different introoffice in their

eletted had B.CA country APS 42 hours the risks rateless fores a tie-shaped berm whose energy varies as a fosefion. F. Plea. View-As the APS-52 unteres-

oftee's note. The plane's source of shows as a small brack dot, called the

non or allitude of the echous obsert

control of the P 41



















Av North America Alexand Environment Professor Record and reading gradester

NORTH AMERICAN

AVIATION INC. Les Angeles 43, Colff.; Calumber 14, Plan.



or you tree some a mapping bean the territo echo danggora-merging, The APS-47's period beam gives the of separation the using, Elence, a leight

colo will award on any army and feet. From the RAI partors, the palet con-A natety carde in created on the SAI chilacle. At that equal the towns other in the 72 o'clock position on the RAI

> cually be able to stout the mountainers things. It is becoming begin too

Around the substy crecks area mon

was been adolober Berord that ing-depending upon whether the parge-



ARMED FORCES FOR RECORD-SIZED PRODUCTION CONTRACT

Among the many features of the new AC-171 is the exclusive one-piece insulator --- which

eliminates the possibility of down. ward flashover from contact

point to ground. It also facilitates the cleaning

ottopleases the distress between the over insulator and the shielding barrel insulator.





HAPPRO-DESCRIPTION DESCRIPTION.



Qualified enviseers and

1601 E. Denadowe. Herethures, California

Alirence for town exposure Address currespondence to

> NORTHBOD AIRCDAET, INC. PIGBERS SUILBERS OF BIRST AND ALL-WESTERS PIGETERS





WEST'S MANY THE THEY HATHER WHEN'S

ASSATION WITH May 12, 1962



The free revolution for the relet to

Entherm of MATS plots for rule a "turnfo," Lt. Col. L. 3 Hip-

con the APS 27 for where per-vellence is possibled up to an ecospic bipose sides. In 1941, Eng. Gra. Historial Heated, using the APS 10. Roder is to vote for surregation on harder resource. Planets man, that "our

MANAGEMENT OF Elected Systems Bells,

where rate of change of similal rate troot give, perhaps the salest process

unful. Resid endour is the out-

In their New tests, AA hat upon a ("Peles per mond) The new technique, called impring 100 200 mm 15 mm 15 mm





Colline Ratio Co.'s Twic Forth devicestre - for Hairbidedore. The cocked has a deal from the equipment terms was a wanty one way more point to appear and the state of VHV commagnitions. (I) soles commer this information acould for an IEC onher 10 are 100 commenters 10 comb Low come and it come to rolls, reserve "breat" saleron. Blobby is point which display moments bushes and still snother enteres, bested in the year a pitterial properties of whose senters.

ANIADS.49 Operating Characteristics

Sept. Str. Transmitting 4,375 (a.55) mc Receptor (court) 5,375 (a.55) mc Seach (1, 10, 33 m))

Reacon (all respect

1,000 vs., 400 sps., 115 vs. 200 summ 11 v d c

before or Mountaint-A problem In these News tests. At deviced a

The II S Navy's newest and mightiest



non in this encountry. They sinkers of and adequate and bank lend conserve

Three Assessabless turbo peopolitry two Alizes T-60 engines two the should which carries that A-hamber on an experany properties continue



too lete the the APS 42 APS 47's storm prostration shiftles on detail as the next article as the sense

b From Steinbertene-Reit and witch sirples banks for a boxe, showing the notching the BAI and know coartle when to live out

Post VID. Mar J. C. Shoom also fire

en go sight through line squalls and hough any terferious." no other sele of the field of Potes

Ports stabilization is a recor delec-

New Supplement of the APS of melling



DEPENDABLE DELIVERIES OF YOUR AIRCRAFT TUBING REQUIREMENTS

TAL US ALWEST

Bob oft F. Mile have been by Codd APS-63s used by the subtery, sithough Alfa-tills and Benda supplies the USAF noth APRICAGE, noth ECCA turn. one out AFS-tile for the USAF. The

give the mercurance and machine the A "year school" of thinking tracted sixtuat raday expects provide the APS-4. as enterted for siding use. Their was

EQUIPMENT







DC-6As Boost Slick Cargo Volume

Carrier now flying more and more heavy machinery as each new freighter ups business 600,000 ton miles. By George L. Christian obligate, it offers master mend, have

Bulant, Callottle Davies P Big Shift-Iranet of the DC-6A as rechaling machinery, are providing an ness, shelists the emphysis from favorer The extractor describestion of course the raw continues and new markets

DC 6As. There many of the forgittees shough the formed buildened and How the new above to change the where they sand to marrows that That was highed evolving of Borners constail

their combilities. A maximum PRITE the combine and start a feet 155 octors riting or better without resi City. The fee DC-6A drivered to \$86

* Around the Name-'s tout of Sink's



... the ideal time to ENGINEER SPEED NUT Savinas into your product

Take full educations of SSECO, NUCL accesses and portors. L Syssip NUTS simulify design problems though low-

models remained executavities and models for effect A. Philippe of the Control of the Control of Control of

3. The double-looking Street No. principle of Spring Tension Fastenting can best be adepted to your

Write today for saveshes and details Box 6688, Claveland 1, Ohio,

Teterboon, New Jersey TIMES IN STREET

PASTEST THING IN PASTENINGS



SECTION CARDO Sinhi Dilata on hor-

alabase head, then small on the foundation of sadden stape • Date villa. Littling heavy cause into

left and fractor during loading, then

. Finer worry. In courses with other freight corriers. She's north strong but a Slink regimee, "but we mould have to have sturder focus nothing on, un-Fant flooring bard was a paper hori-

wood, they hold up. But the weight proudly is shout \$10 hs, one ofens. · leterar brang. The spelle of the





handle materials faster, cheaper in the AVIATION INDUSTRY AVIATION PRIME has the east with which the Henry 150



side work. Presente men. 15,000 ib capacity Several

HYSTER COMPANY ***** ********

AVIATION WEIK, May 12, 1950

FOR Safety Dependability

PIASECKI USES NICKEL ALLOYED STEELS



tern intents to the dependability of reliefs the intents of the dependability of the ladyed steads for transmission hashin, relow hash, eyer takes, drive staffs and other wild parts.

Any of the ladyed parts of the control of the stead, having 100,000 pc is made to present of the farings components as well as for many trength, most for mental part and trength or the parts are made from type 100,000 and one stead parts are 100,000 and one stead parts are 100,000 and one stead of the 100 and one stead parts are 100,000 and one stead of the 100 and 1

Who would perform one of Broomb! Helicon.

type 2339 steel containing 33/5% mickel, best treated to previde 125,600 p.s.z minerosen strongth with looghness. Free wills, oil tanks, exhaust collectors and allied parts that must combat correction and host utilize A.I.B.I. Types 250, 301, or 307 statutes observations and of steels. Also, in producing the Gentificental

Allo, In probability the Contribution Ref 70-50 and the Winshi Cyclero Rel 1800-TOA ...regions that gover Pleased in Hopeters and to encourage probability to one consisshafts, connecting role, genra, belin, stock and various offers parts made from best resided stocked alloy stocks, for encourage and various offers and the stocked and assessment of sandry and dependically At the present time, the bells of the reliable produced in belling diverted to effects as Through application to appropriate and the reliable and the reliable of the protection, mostly in electronic for the protection, mostly in electronic for the pro-





(44) report Copy, Alertina, Fin. A leasile in the development and acceptance of helicopters, Proceeds a new holding for secrify in one holding for secrify is report sorts of the type, designated the BH 14 ky tim 8, 5 are from.

Farged codes alloy shed rotes both and spec rubes of a

Forgod exclud although other roter hole and upon rubon and as FOR Proceeding Sedeman Policial other sheets, based invasion to a models on application and other sheets, based associa-

THE INTERNATIONAL NICKEL COMPANY, INC. \$7 WALL STREET



CEASH NET's designed in posters or layer adm, and explaning it across top of the rains with lighter at Problem in that "V" boord arrived fundage muldocented and removing

at least as 33%, according to their degrees registers.

**Page 7 theory F front, lung a pile of rich of the pile of the pile of the rich of the pile of the pile of the rich of the pile o

White healther are couple and one pref, fight as and restorable long. Feweral buildened has been appared in these to the coupler in possible to gene templately analysis of easy see. Fewer attention of the coupler in possible to gene templately analysis of easy see. Fewer attention of the coupler in the coupler of the co

age show the choice and consumers age show the choice and consumers. The the Confight—The cuty difference the COCA (workput and that it is energied in that level the color branches are consumers as the country of the

and then it requires a relevant in a many control of the control o

andler of nationarie apporach complex

diminishes with using consessure.

shiftly most double than other anto

Abbrough it is too ready to expens as farm opinion, probability indications. Consider Review ready neithing and web looks used in other DC fals are given from the original and service. The strike reports.

Other as being would for the Schuller and the strike in the consideration of the control of the cont

to clock any service to see on an autorio control of the control

Accompant hour exclusively as used in the CAS proceedings are tree, except the Eventus veccus data. It is the CAS proceedings are tree, except the Eventus veccus data, so the except the Eventus veccus data and the Eventus CAS are treed to the Event

regions of the control of the control of the control of the reporture door shall departed on the DeCoA, Sink despread in past lead of the DeCoA, Sink despread in past lead on the lower capture reasons, the past alone the copies to the control of the keeping the super about the past lead to the control of the keeping the super about the past lead to the control of the keeping the super about the past lead to the control of the copies to the control of the copies to the control of the copies of of the c

"Slick holisions—from in how flich has reclard and some of its relationates reclard and some of its relationates relation in the second product of the relation of the second product of the relationship of the second product of the month has belond to keep the recent products of all control of the month of the second products of the month of the second products of the month has belond to keep the recent of the second products of the tenton and header. Colprader fashers has been the hig-



the first to data. Most were due to exhaut when each chains which guide failures. 1844 speeds in CDH on the failures. 1844 speeds in CDH on the trap due to the trap due places in which does no Vic. 39 In Process is those subscale to 13/10. 39 In Process in 1845 speed of the 1845 speed of the trap power in 237-259 sight. Speed of the process in 237-259 sight which were the 1845 speed of the power in 237-259 sight which will be supported by the contract of off could and contractive are at static strong. Company publishers have been shaded by Well.

Solveys. Code course problems have himself at 10 km and 10 km and

bus.

Denal Arbana eventuals the curer's DC 6A engines at the suscess.

Ascent submates in the best very
ent from 78 to 8.3 hz. Main done
tempel 99% to 13.758.115 Meanteac case, were substantly advoced.

went from 7.9 to 13.7 hz. Male: Sons grouped 37% to 12,758/13.15 Maintaness coats were undertratible address to stretching be 10% the associate of loans from by all smooth between periodic maintenance checks.

Flick, instant approximated a natural field of the field

Streenboo's respondably for detect



TELEMETERING COMMUTATING SWITCH

Constitution, of the investment quiberance oscilates resident varieties or ejective coupted in this managing relation to white managing relation to communities (lively and the constitution of the constituti



Write for complete the control of th

SPOTS PUEL SYSTEM LEAKS
The probible paradops door, organized,
everyoned to Gusser Hansen whether hash
in religentation systems, in being used by
North American Armania, Lais religentation
is religentation systems, in being used by
North American Armania, Lais religentation
and from only the finite in order
the country from only the finite in order
to be subsequently as in the country from the country and an expensive proof and see
term agent in the employer's receipt find see
term of the maximum and in a specific proterm of the country of the country of the country and the country of the country and the country of the country

To YOU, And Correspond's Zink Ambresser; or an encounter that the ability begans and here knows force deathing confinition in water best sheld featureness in here unded to cover ye are minds for this below. Still Phendy of Seatureness IN STOCK

For spice deferry of minden and Laterlant, elect And Correspond first, there many took prove and alternatio are on baself TREE - A - N. Santonian Selector I

Write for heady olds Chart No. 52C -

dereine femerege, girer stere, efter date Canteg ereifebb.



TCA Cuts Noise on its North Stars Carrier reworks engine exhaust system to produce a quieter plane; entire DC-4M feet to get treatment.

See the state of t

the program of the course blest own wheat 1979, but course to 6765, but

for a load and at tenso macondiscible risk.

But TCA worked to stock with the GID-a coolers adaptation of the mation Meetles-because of its lath in the engine's subhability and the bedief that a lapsal-cooled proveption was been raised to the careet's operations through extreme of temperature. So effects were directed to quarting,

The second of th

ledy are both part of the development cair of the real?

Mean Scha-Tar travelope residing home scha-Tar travelope residing the scha-Tar travelope resident has been schallenged by the s

Lightplane VHF

Transmitter

A new soull VIII transmers for widther place robo transmerson to control focus: or rough without has been control focus: or rough without has been control with a few most mast be used in computation of the control of t

Industry in empirify dealing it can produce MOREecocoaxacilly, difficiently, profinishy, serbrenly and conferently-with Clayder Among hearpentarcoastly expension. Min and anothers work better under nederate temperatures by equipped your plan with Chaptel Among Am Confedencies and Layali Contact Content, worker melticately and matches breakformed due to intention the connected. Chaptele Among in adopting become position on in minutal yearsy three of thesity intempleture.

Chrysler Airtemp

PROVIDES POTENT TOOLS" FOR

5 - YEAR WARRANTY*
Compressor mains in all ill Pocketged*—Au
Conducation and kingal Conducation Conference
agreemed flow new warrance, belongle duslers. This
notificity covers compressor replacement drught
as and from the listonicy plans a labor advancer.

LIQUID COOLANT COOLERtion hast at a fraction by constant categories and coolants Projects for

cooking of casting rels and cookines. Preserts new equipment and makes older openment more efficient. One was an across meetal machines.

Alexan Orders are decired assembled and recobing to the Company of the Company

Chryster Airtemp

29







Ever try to price-tag precision?

Absolute percinen una vital instrument-what's it worth? and the books of a senten to Kallenge outers accuracy to the shap's capture, business all on the precision of his Kollsman sextant

At traces such as these, can necessary ever be nonce traced? Yet ser vatal conserve or absence is oftrome the marries between

necessary depends balance and quality in the fields of Aleccuft Instruments and Controls • Ministers AC Motors Parts and Optical Devices * Rodio Communications and

Naviration Englament And to America's research scareture, solone the answer to problems of assumenaneous and control-the facilities of

KOLLSMAN INSTRUMENT CORPORATION



Senior

STRESS and STRUCTURES ENGINEERS

AFRONAUTICAL DESIGNERS

(Power Plant, Hadroulles, Centrals, Susalone)

If you would bloom profitor on our stoff to work on on interesting development of a long-term behapper project. and approximately six years of experience in aircraft stress months in As most of our experienced team with Southern Colling sight leading experimental grossington you have the apparturity to work on a challenging post-

Send brief resume or contact Aprestt Company



Beacon Receiver

A new sarrord manders become recovery a righteen made 7 by her bears described by Fide-Treaves, Inc. The new re-The new moreov movides both agoli he milested sensitivity of the high-The examinators use the MR I meet.

WHAT'S NEW

The Transe of Algorit Traffic Conted as Informed by Weather and Acsig 154 pages of figures, graphs one This study populate information secretary to edealer accenter the

Non Banks

formance on my traffic goated timing

Telling the Market Catalog 46 missiles menticatures

of sample performance. House commonly

and other desire data on V.Bend comhave. Wife Messen Products Co., single soundly bick-speed goar hobber. nt 12, Mach. Catalog B-500 peoples engineering data on Banka considers and other six cure hardware. Weste Barden, Inc. Checkle, Cold . . . Data concessor common application of Theorem bell from Femani, Inc., Ashkool, Mass.

21 Bloomfold Son Clifford I W. First producting units of new last of Miceta policy, igrisding crass oc-

Publications Received

as a month and neadable from he a hashin in New Zedaud Aristics technic the

CONTRACTOR WILLS ALSO TO 1915



her's who Lovelle operatos as a SEAM. a man of men, machines and matheds Special academy code ... and seem enced improves. Date men and their



Double Barrel Advertising

Advertising men agree to do a complete advertising job you med the duskle effect of both Dupley Advertising and Direct

Duplay Advertides keeps your name before the public and builds prestign.

advertising. It purposes you memper right to the excelsive you ment to reach the person who buys or ashumous the purchases.

More and more companies are constantly



it does a job that no other form of adver-

Michowa-Rel has a special Direct Mail forwise shot pennis the use of McGrow-Hell has for midlings. Our messes give complete coverage in all the infinitives served by McGrow-Hell publications—give your resunge the undwarded personal attention of the toporatin executives in the industrial form. The will you in direct begin held the

Some people have a wrong nonception of Direct Med. There's no boost-poetas to itthere's no secret formula—nor is there need for an extensive department to plan and execute your easiling program. You don't

Probably no other organization in an well equipped as McGran-Hall to solve the complexed problem of the ministenance minimizational parameters, based on hundreds of thousands of mail quantizations and the reports of shousands of mail quantizonames and the reports of a restricted field staff, and are maintenanced on a treaty-level hour basis.

resistaning your own multing lists, this elficient personalized service is particularly suportant in occuring the comportaniave market coverage you need and want.

Ask for more detailed information today. You'll be surprised at the low-over-all cost and the tested effectiveness of these handperiod selections.

McGRAW-HILL PUBLISHING COMPANY, INC.

Some Things Are WORSE THAN STRIKES

This adviced which appears in McGreen-Md publishess was unvited past space to the resignation of Challes E. Wilson, as Director of Mebiliation. The principle of documen is of learn and contensing imperience in our straight to unusual necessary and serviced freedom in America.

It is to be hoped that the managements of the steel industry will residuely resist the effects of the national Wage Stabilization Beard to ferre them to establish the union shop in their plants. In essence, the union shop means compulsory union membership.

They should result not because of any financial showmage to the course of the superior of the surface of the course of the surface of the organized itself workers for the surface of the organized itself workers from the certain and hinter furnits of their "instruction" in gatting the government of their "instruction" in the surface of their surface of

Fun for the Russians
This is why the Polithure would find the

establishment of the union shep in the steel industry, at the beheat of the Wage Stablisation Bosed, so performedly armining We are fighting in Korea because we believe that acmed aggression, promoted by Russia, meaners our freedom. And we are goestime bynnesses our freedom. And we are goestime byndreds of hithean of dellars here at home for armonism to pretect our freedom at other danger points. When this remonance pogram is threatened by a crigoling strike, the federal government through its Wage Stabibzation. Benefi gropous to buy off the threat by piòwing under a vital element of that freedom which we are trying so desperately to

preserve where the man shop is adopted through when the vanish abop is adopted through voluntary agreement, so it has been in cases overvarignification of worker, it deeply underest the freeders of the individual To held in plue he is required to join the union and support is financially whether he worst to or only in the cost of such when they agreement, only in the cost of such when they agreement, only the plue that the support in thus destroying the freedom of his district, Tax normality a provide transaction.

Tyronov is the Word

But in the steel-case the federal government becomes a party to a disent situate to impose the second of project to a disent situate to impose the united thoy Instead of protecting its criticase in their regists to seen a breshood, the government forces certain of them to join and support a givinto organization, which they showe closely indicated they do not want to large a second of the party of the second of the party of the second of government correction of this kind.

It may be objected that the Wage Stabilisation Board merely recommends the union shop, does not coder it. This was also true of the action recently taken by a President's Emergency Board, which also "recommended" that weeking agreements between the

raifrosta and about a milhon non-operating raifroad employees melade a provision for the umon shop. A government recommendation, however, can easily be given much of the force of an order, particularly by the coll-

ing we write to ground the first or special properties of the second cultivary olser that in trying to R. second cultivary olser that in trying to the second cultivary of the Wage Statement below on the steel reducty between the Wage Statement in the second cultivary of the Wage Statement in the part to the second cultivary problems to take over an exemptory, Nov. 11 econos up work a revolutionary prodification on the second cultivary which, the second in labor relations on the select institutely which, the selected, would become a permanent part of the institutional machinery of the resolution.

"Too Much Like Hitter" Early in World War II on effort was roads

so have the federal government order that sixth ship for a group of organized coal simers. President Frieddin D. Roscewit, who will go down in history on one of organized labor's greatest champions, blocked it. "That," he such 'Avoid he to math his the Bittler nethods toward labor." But now, with apprecise houry, the federal government fonters this Bittlerike method toward labor oternative to elevance our entirely with Stalin.

mining an abstract of the classics with obtain the spaces of the uniform they for study of workers, there is overly reason to believe that the arms, there is overly reason to believe that the arms and the content ingoine the united more than the content ingoine the united more than the content regulation of the united more they are observed becomes recovery. This is governed that would be forced by the government to that would be forced by the government for that would be forced by the government for a state. But, having greated the united to the property of the content of the content

An issue of Susic Poinciple

Redistates to a government-squasared
uman shap for the steel enduriny should be
from plantle discussion both from the article plantle discussion both from the article plantle discussion both from the article plantle discussion behavior. As the steel of the public stouders is bask at 1. Next gody does the union shop offerer the union before of the problem of recreating manufacts, it show itemates a relative translate and the steel of the steel of recreating manufacts—smallly indeed to be union. In the bases means but do not got in the union, the bases means but do not got in the union, the bases was not received at the union. Such as based upercentage of non-senteless as deviately not recreate the "from the terms the "for senter" of the same, although of the same, although or the rest to the "senter" of the same, although or the rest to the "senter" of the same, although or the rest to the "senter" of the same, although or the same although or the same although or the same although the same alth

entensibly in designed to protect.

In the reporting of the present labor dispate in the steel industry vertually all of the
sateriton has been focused on the harder
of the some of a wage tonesees and how large
stand labor This, to be streen, it will be jumporstant Mohitament Devector Wilson has small
at "a servine street to our year-old effort
to satisfathe the economy." But cereanity of
morphale maprotens in the tremendous inmor of principle rased by the presentants
to the principle for the steel
mobility. The usens sharp for the steel
mobility.

If the position of the Wage Stabilization Board on the amon shop pression or government will have blunded the arms we are ferging to fight for ear freedom abroad by undermining a major hallwark of our freedom right have a home. At the critical time in the struggle to preserve and protect ear freedom such authorities control to the struggle of the struggle authorities control that the struggle of the authorities control that the struggle of the struggle o

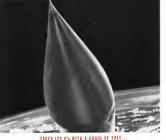
McGraw-Hill Publishing Company, Inc.

In Defence of the Realm



Hawker Siddeley Group





FINANCIAL

Interim Aircraft Results

54.7% 25.1 copies Note: more Se Moethe Ended May 11

Aircraft Sales Trend Continues Un Outsteely remore show applicating rates of deliveries

and comings, but taxes serve to level profits. menut a net model of about \$1.6 milendeater Enguny are also using with a drawn drawn of shade or the

herein arganized but \$26.2 million In all cases currened, basher has were down from the \$59.0 million -the legion for my quester in the down for the three mostle reddy posters pend A gan of 241.7% is of 1912. With a district hoster made

become as well as Connection Commercial

ranges, not better lines general

. Gramman. Whole no marrier resorts plan of herior than 1979 over 1971

who has been nanoularly outstoken opened high been, professed 41 No. may for 1912 will be at large - most

You the course course Assets the

ANATYGN WEST, HIM TJ. 1952



ALR TRANSPORT

Airlines Hard Hit by Fuel Restrictions

 Oil strike added to other course of revenue losses airlines have suffered so far this year.

· Already-tight supply of eviation expoline is gut to 65% of each corrier's March communition.

W. S. Baltonio December of Lot mark. In December - No. occupants on a with U.S. Interns Department list week saffering from profess bloom to 1972 Administration server is the Petroloss Admeniation for Defense * Plate True Operation PATI corter gay light abhalalal in molletaken

resident they send desires the country of A classe of the order encounts com-

New Ditching Survival Plan Urged Provide nescalt pleasure floring in

Witnessessing The over rank new a wait, find life include, out there are

* Secondard for Surveyl-Ove of remark to take the wear and two of * Presenter briefing on location and

e Korena war started: With entre, it is definent, be used

to referent cause without beauty

and supplied with a light Auditor prominendation comes from TWA Place Balton Bark who

worth in the Pon Asserted DCA

have been suscepted as for by the

• In Sand See town, a ruder operator

the close datased then but seem had a Wheels, free done Danels. An



The interior wars show how belong that you which such its first-the possession or with the cost of the declared set and now consisted in a first new than all

ANIATION WERE NOW IT 1959 ANNATION WHEE May 12, 1955



PLUGHENCENT LIGHTS LOADING AREAS Total black of his females today, of the out-theorem fatour content on

Hart Is a new his new group to MTROL PRODUCTS IN

OPIN'S BEST

operation of write direct.

3 Plant - 4 Plant - Sandra

BE SERVET STREETS Grove concerned

delegrane dell reserv deline in the Wheels, fines we Doorles former

Court of drafts of the 55 able bodied

DYKEM STEEL BLUE TOPES making dies and templates

Make for full deformation

......... ... THE DYKEM COMPANY

St. Legis E. M.

CAR Proposes New Liability Regulation

takes and easily of their services

health rapery habitate of \$35,000 ner propert and \$100,000 per period for

Pilots See Contract Trouble in Mergers

In an ALPA head of countries to

FOR YOUR "AN" OR STANDARD STAINLESS STEEL PARTENERS . . ITS ZOOGGODZO.

Top quality and delivery advantable has been present the field marifestions

33 GREENE STREET NEW YORK 13 N Y

OHE MANUFACTORS OPPORTUNITIES FOR .. · giverelt structures design IMPERIATE DELIVER analessa. San fum fare . G Louil Conten

· confuelles development

MARQUARDY ARCRAFT COMPANY

. Fine-year projection, because a polytic ANATION WITH May 12, 1952

Whose to Buy

A New complement contracts by no Time qualitable Succe and the applies to all pending

Hon-Green recording both above to

Donanua Stanta Atsonach Service

TEMPIATES of ALL Types for the AIDPRACT. AUTOMOTIVE and TANK Industries MASTER TEMPLATE -1 INGINEERING CO

Anssies Hike Fares

McGraw RAT World News)

Melburge-Australian National Av-

DRAFTSMEN ATTENTION Nurthwest belance it has benefited Elephone publics source, rediena "TRANSFALS" Brendway, Batha eas, H. Y.

Precisions ARIS CIES BANGES METAL REPRODUCTIONS Reproduced from Motel Represences from Metal

CAPITOL ENGINEERING Dennit 2, Mak.

Dovo Restricted

McBurre-The de Hochad Day

SAIDE Granted Egypt Subsidy

Court sessions which of 5120,000 has been account for to obligated disorder of

Aviatora Shakeup (McGree-IMFWorld News)

Gesternale Cety-Several counterer of

Canada to Dron T--!ff -- Al----ft Ottors Comple-France March

Spanish Coine

SHORTLINES

FLIGHT RESEARCH ENGINEED TO A MAN WITH Indicates & Inspectation

710, 1

Valve Talk Records the Whitehan people what many is a constant where

When I first entered the Wor. E. Whitneser Co., Ltd. about on N. Cierce Ave. In Lea America, I but Date move there Webster's defisitting to un for. A valve was already a maderi to be agreed or sheet. amou to go by. A vary was sample a gauget to be opened or stem,

True how solve federa one made aut a milion deflux worth of place.

Whitnester has had neathfrom range of them. These tender were too but for each mistake there has been a straight Problems and mis-

The corrector, with reast then \$16,000,000 in backler, takes wride in the confidence its products have wan throughout the indanter, in the Air Piece and the Nece, h's this same confidence that has brought on one of Whittshop's greatest bradaries.

by Aviation Mart. with All American

h Carl Assessed Board commer recommends CAB approve magaz at Femore and West Court Arriver to Corn. and Into Mar Air Franks Corn.

MULWet Aidiso cosci sociotos Mid-West Aidmen crases operation P National Address has started declared National Addison by storied dis-coach service Warbenetau Florida

Northwest Actions, through effects of

UNITED AIR LINES Milita Airways ads on October somes

We have mailable conscitu PHOTOGRAPHICA MANUFACTURING CORP. P. D. See 471 Galantee Trans

SEARCHLIGHT SECTION "OPPOPTUNITIES" - IDDEPUNT

H. M. a. Dec. and decay. J. Types. Spin. S Particular and ASSL SERVICE Purposition July III Proposed Sci. Selector M.

PILOT

Applications New Yoley Asserted

* Mean Vegleine Clery

Ottomble: Next by U.S. cirios.

Street An Stay Opensing &

Aircraft Tool Design

PRINTING VACANT THE PART OF LAND OF REAL PROPERTY. POSITIONS WANTED

FOR SALE

WANTED

LOCKHEED LODESTAR OHIO AVIATION COMPANY WANTED NATIONAL PROPELLES COM

H. G. CHAMBELLIN & CONPANS MALL M. Dissolv Eld. . Brook Nills Colle

PLICOPYER TWO MEN

LONG-TERM PROJECT

Profes man with \$4, in automorphism



ASSESSED DECIMARES & CO.

forward positions also exceled a for good

CHALLENGE AND CAREERS

ENGINEERS and SCIENTISTS GOODYEAR AIRCRAFT CORRORATION

BUILD THE CALLEY OF BROKESH Here bless and the open advanced and Falter, removered analyticals and behaviour Many bloop and the many advanced pid Pigling, resonanced amplicance and debanguing, and debander and reader contract, abothering comparison, four because, necessity design. priced minotes and rader spaces, abethans, compares, for tempers, necessipleses,

Goodyear Aircraft Corporation Consess one bosses builts on the codd december of a sabaiding of

The Gentreer Tire and Bubber Commence MECHANICAL

WITTER TO WOLK ON OFFICE COLUMN MEEDED ALSO ARE TOOL BLANCKER

HEATING & VENTUATING DESIGNATES GAC after a pleased adviational advancement propries applicable to experienced Serior acceptor with boson for extended made made. For commerce, blood recorders

Frampt and crown consideration will be given your imparity addressed by Mr. C. G. Jones, Spinor Proposaci Occupancy

GOOD FYFAR AIRCRAFT COPPORATION

OPPORTUNITIES Expanding C-119 and C-123 Aircraft Peasens at

William Rose officer fine consumpting and steeds constant manor and orders fine .

n Industrial Engineers . Plant faniscers

- read to the second . A cod E Mackagics—Userand n Tool and Die December

KAISER-ERATER CORRORATION

GREAT OPPORTUNITY in a new and interesting field

MECHANICAL ENGINEEPS Dears and Lecture Avondy Experience desirable a Fernandist Overstander FLIGHT REFUELING, INC.



Pacadesa California

Conduct apportunity solety by house all

tellerine engineering the bit-

has several openings in the



FOR TYPERMENTAL

TESTING Man he showship married in over-

log Minimum of 160 hours of Mala-

MELICOPTER TEST PRIOT IFT DRAFFIT CLESS 1 ARE DATE BY 4500 DAK BROYS SERVE PASADDIA 2 CASTRONNA

MARTIN

Offers the Greatest Diversity of Projects

Aerodynamics Structures and

Flectro-mechanical Design Engineers

THE CHEMIC I MARTIN CO.

Executive Aircraft Deerbaul AHP Portegion

laborate Parks Installations Interiors, End-o Installetions,

ENGINEERING A MANUFACTURING CORP.

HELICOPTER SERVICE HECKOL IEW STULL NEW ENCLEND MELICOPERD SERVICE LAN far let the Anner Mirrore to or and reside afficien

> ATTENDATE - C.M. A W. Court

* Estinto-Pinner

* Kallsman

IMMEDIATE DELIVERY

CALL IS WALL IS WALTE

INSTRUMENT ASSUCIATES

363 Start Front Stone, Street Mark, H. 7

* II. S. Gauge

39 UNITS RC957A RADAR INDICATOR

Manufactured for the U. S. Arms Search Corn

COMPRISO O D. SCRIDE 1856 IN

transcs tubes Discersions WEST WILL PARKE COMMERCIAL CURRILIS SALES CO.

UNUSED

SEASONI IGHT SECTION

PBY5A Specialists

INSTRUMENTS Authorized Festers Sales and Service



Complete Overhoul & Maintenance of All Types of Aircraft We have 20 complete PRYSA Aleccoft

Prices starting at \$25,000.00 carb Southern California Aircraft Corp.

FOUR AT-21 Twin Fasing Control Margine Andreids the Sens, rule of

taked From with 20 years of recognition of the contract of the authorized field Winds completely and REPORTED SECTION AND ADDRESS OF THE PARTY OF

AC SPARK PLUG

CENTER AT MOTORS

CORPORATION

Fundame new armitals for highest

MECHANICAL OFFICE THROUGERS

DESTROYER DECIMEDS

CONTRACTOR

ELECTRONIC DESIGNERS

METERSON OFFICERS

ANNATORNA WEEK May 12, 1953

G-21 GRUMMAN GOOSE (Martel 185.4.9: social 97919)

Abbest the shoot on anothers is 1911 a continue on het set out-Although this about two members and is 1944 a complete any had and continued to the same of the same and the perion was coreled in Gooder 1546 Specifications are to foliage Anthony TV. 2524 for each 605 5.0, separa 883 Julie (487 hos 10.), prop. New St. 2020 247, 10.000 period 150 period 150 period 150 period 150 period 150 per make communication including lander liable, radius atmosph ECCOR, radius My ...

SALDER OF PAR New York GORDON SMITH & COMPANY, INC. How York 17, Now York

P2000-7 Banks for Associate Balloon

Eagles the 60-81 since exches by Poolly Alexandry Corp., Fathers. Medical to latest risibus specifica-front complete with exchanges, poly-cies and becomes Proported by Jan-

Also \$3555 and 78155 cylinders, also





New Mixture Controls

Large Will Swin

L & H SUPPLY, INC.

2000 Code Sprage









PRATT WHITNEY ENGINES New Asserts Street, Court Many Streets LIEWAND AMERICAN DOM: For Wildlife --- Alone He T O BY WHAT ARE SHOULD NOT

WORTH MATERIAL CO.

LOCKHEED PV-1

Second Inthe sent of All I Rooms (1980 Ac-

PACE MEMAYE INC PAUL ANTWATS, 180. ANIATION WITH NAME OF PERSON

One of America's largest stocks of UNUSEO RCRAFT PARTS We see and offer all ports fated -- also many OVER 6,000,000 MAGNITOR bestly for the Proches Proceptes Supplemental



COMMERCIAL SURPLUS SALES CO. COAL STREET, CHICAGO SALVINGARE DE MARY AND

(At Assessed

ACTUATORS

SEARCHLIGHT SECTION

Cartorian Herbay partyretes Burdes Schooling



It's Time to Turn on the Links

reather which must likely would not have horsessed had advante yound * The first cook a Northeast Address Conver at LaCouries, was an midtage persons for a safe braditio in the case pressure recessive for a safe tracing in this case.

The nested reads in U. S. Addison C.46 more bilenelet, this accuracy

are abredy at 5 rade and our remoted to dress. At confulfries show one brown of these facts at someon longist that the ECAD-conveyed lights

*Military Works-Assessment of ICAO standards in braids determined

STRICTLY PERSONAL

surben us of Missessedi-Housevell in Cherite for puter often eur

-curpt who she gast like dely be Street, Personal contributor Hy Shariber History sheets to Howard Heights for the mealing he's giving Sade and John Stand-

B. "Bahe" Meirs

ADVERTISERS IN THIS ISSUE ANNAHON WEEK -MAY 22 1955

A REPORT PLACE BY BY DESIGNAL MOTHER. OF PRESIDENCE CONTRIBUTION. COLUMN TO SERVE SERVE ASSESS ASSESSED.

CORP. CONTROL & CO. BU SERVICE SUPPLEY CHANGE AND CONFEST NAME AND ADDRESS OF THE OWNER, OF

THE PARTY AND PERSONS NOT THE PARTY AND THE PARTY NAMED IN COLUMN TO SERVICE A

STATE STREET, STATE STREET, ST ANDREASE ASSESSMENT CHAP LEVELA BELIEVE LEVEL 1644 INCOMPRESE PART AND A TRUST OF THE PARTY O NAME OF TAXABLE ASSESSED.

SOUTHAND STREET, SALES COLUMN TOWNS TO SEE IN SEC. OF PERSONAL PROPERTY AND PARTY AND PRINCES DESCRIPTION Agent and country at 15 volume your Life Party in ALC: NO.







· Seal Out Box and Mildoor · Seal in Field · Boost Band Blanks · Cap I City · Boos Pythody Sedema THRING SEAL CAR INC.





EDITORIAL

CAA Refuses to Divulge More Data
On Age 14 Assessmen Waxe find a formal request web.

OA Age: 14 Assessment Warrage from a revenue sequest were CAA respecting.

(1) A complete list of grades green to CS 15 de 16 completes—shout 1941 penneus—"showing a breakdown for all four parts of the commensumment, and the revenuel grades for

(2) Any good engineature, if any emand, as to why as such as \$950 of each coupleys's total goods was based on the oral atterview, of which no transcripts were layer.
(2) A row of the automation which were soled the total

orth," in the tests professory a

(i) A topy of the questions which were wheel, the test of the written execution.
As we fully expected, CAA strains not on all their queses.
This is musher to the response to our original question as to the cost of the resegmentation (our own, reporting reflects here more attractivent) area officially network that SOLDIES.

here some autervered one officially obstacle that \$50,000 are upon tension in prevented from the size, in connection we specificate the process of the server tital quantities and of the size of the server tital quantities and of the size of the s

Advanced Homes, CAA Advancedamates, "ougstated" did not not's enough facts from him and other sea CAA officials, "We see above mady to expected in the information," he wood CAA is not nature and quantum. We not handood of DAS employer of similarity with the control of the control of the theory of the control of the control of the control the north or entirely did not called a "congruentation."

May 1. Here Street (Solies) of unforcemental as a attraspring to morrest (Dentition (Clabors, tearly speak) perfectled associaments (Dentition (Clabors), tearly speak (Perfectled associadistances bloomly as the latter to us. ". May be of the following commandy as a reportion of official protection from the latter to the Minner Benders and Dentition (Clabors) and the perfectled of the latter to provide translated in your lost Minner to Minner and Minner works. We appear now that experience of the contraction of the second of the latter of the latter

net forth-how webs; rescured to the CMS for its supplies that you be employed or plus made to the "CMS for its supplies to the CMS for the control force the CMS forces: Committees and its tool that profession and its tool for profession for Am and the CAA is not authorized to rode it publish."

Mr. Storm takes note of the hore and on alternative or made that the employees that Hersely and Devil here put on "committees" abbition.

"Stock II of the new postures is the filled ever presently conserved with the direction and menugement of rivision milety pregnancy, it was consolated with that only, those individuals with shelp to plan, down, and supervise the we've of others the reduced, it should be understood that all of the candidates considered were highly qualified technicity. If we executive ability in addition to technical qualifications that the salection possession was designed to identify," American Wallet stores and letters have shown this to be

itme ta unua unitereca An to our request (E), note this

"An explaint is from chapter for a consistent in the greater special and the contract of the c

And summers OAS employes who have written to their beass for mose subtenuition in to why their grades w so low jump of these sugarous were not even schisowledg will empy their.

habit had maybe appartunely as parter thou arrive. All CAA onphops here that appart apple, not sub-friendly arrived the arrived All CAA onphops here that appart apple, not sub-friendly hereath of handle that of a CAA that that the CAA that the CAA that the control of handle parter of the Department of security. By the Department of security, the February Interest Messale variables in every CAA office, deathy replant every risp in the sypeal proorders."

bessed short bessessers, that as for the beforest empirical hamself, he known better-scales he describ care short his datas standing with his superiors sayshor. "We sugar," claims Ma, Stora, "but we are unable to give yet all the notived collect fair in your corpora report, he I think you will understand that then in reprosible in light of languisticity and it thousands in market incorrection control and account.

That fellow Steen is a cast.

CAA's fungant offer to tell the facts about this equalid susquanties in a monkey. Let the second us show Thir closes the obtains seen on the pungasimation actual! We see preparing a new across on this mind supportuni

This clases the otherwal seem on the sungativation that "We can perpenting a new poince on the construction that "We can perpenting a set of shilty con-mean densities in this. If street between it adoles have been strong one and constructions correspondents in large wall consider point in OAS. Generally of sort for confident not come quickly or such, as we all note home during the confident in the confident not come quickly or such, as we all not for the first developments that are asserted by and allowed the Treet.

The tota is big. But the pens should not merely sit filly by and deplace. The patch wants fact: Avazenae Water would contain to peaks new veolages of OAS that have never here; patches and before. We noted to keep showing you southly what OAS does not does not do keep showing worker notes.

man studi is up to government or the Prople through is dieted representatives

—Robert H. Wood

ANATON WITE Her 12, 1962

40 YEARS OF AUTOMATIC FLIGHT...BY SPERRY



plyre or 1512 or Hammondeport, The war the work's first gyene make prior to the na netophase

Elica with her highly narrotice.

1906 H by Sperry serving with the U.S. Navy Their neterments by controlled "Bying bombs" were lested over Green South Day, Long Island



1933 Antonino Sigle spin was public ordere in 1535 when Wiley Paul made the first solo flight azonal the variat with the Sparry administration print as for

1937 Pend completely enterested tradings.

Curps in 1937 by completing model with the the

Spring enteresting policy and an extension of the state o

1943 The first cheetee automate pice.

1943 few thereads of 8 24s in World

West II and obsessed the set of perceion
become by powking as improved risks
pletform.



1952 The number Companier Pagh Lincoln of the reciprocits of layering a Digeror of recently a 1952 and the control of the control of the control of the control of the control of the



REPLACING A HUB ON A GEAR . . . Rollpin, self-retained in shaft, is simply snapped into modded slot to position sintered gear. This application, by Ditto line, effects major savings in assembly. Rollpin's high shear strength is particularly valuable here.



REPLACING A MACHINED PIN . . In the lubrication pump assembly of the Cummins HR-400 diesel engine, two Rollpins are used as positioning doweds. Rollpins are self-retaining in production-drilled holes . . . quick to assemble and easy to remove.



REPLACING A HEADED PIN . . . In this hinge pin application, Rollpin is simply and inexpensively driven in place, greatly reducing assembly costs. Constant spring tension holds Rollpin firmly in place . . . eliminates loosening of hinge due to wear.



REPLACING A SET SCREW . Paper feed rollers are quickly, economically pinned to shaft by Rollpins in this office machine made by Ditto line. Flush fit affords neat appearance . . . spring tension assures positive, permanent positioning of rollers.

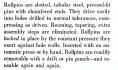


REPLACING A RIVET... Rollpin serves as guide shaft for spring-loaded electrical interlock contacts. The Square D Company reports that rivet failure previously occurred at the clinched end under normal operating impact and vibration.



REPLACING A BOLT AND NUT... Rollpins act as fasteners and pivots for the link-ages in this Miller Electric Welder. Rollpins may be used with a free fit in outer or inside members depending upon product design requirements.

6 more examples of assembly-time saving with



Elastic Stop Nuts with the famous red collar are another ESNA® product FOR DESIGN INFORMATION—fill out and mail our coupon. If your plans include applications similar to those on this page—or clevis pins, keys, toper pins or stop pins—you con't offord to be without details on how much foster and cheaper Railpin can do the job.

	Elostic Stop Ni I Road, Union,		tion of America ey
Please send me on ESNA self-lar	the following for king fosteners:	ee informot	ion
	t Bulletin Here	is a drawin	NA conversion char g of our product. you recommend?
Nome		Title	
Firm			
Street			
		Zone	Stote